

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE



INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

W9495-01

Page 1 of 5  
SERIAL NO 10

09/929,621

APPLICANT

Richard F. Wormsbecher

FILING DATE

8/14/2001

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	SOURCE CODE / Copy Submitted
EGT	4043905	8/23/1977	Novotny et al.	210	31 C	8/26/74	A8 ✓
EGT	4298500	11/3/1981	Abbott	252	428	5/5/80	A8 ✓
EGT	4430496	2/7/1984	Abbott	536	27	3/16/82	A8 ✓
EGT	4469630	9/4/1984	Flashner	260	112B	11/25/83	A8 ✓
EGT	4540486	9/10/1985	Ramsden	210	198.2	11/25/83	A8 ✓
EGT	4551245	11/5/1985	Ramsden et al.	210	198.2	4/22/85	A8 ✓
EGT	4606825	8/19/1986	Crane et al.	210	635	4/22/85	A8 ✓
EGT	4837348	6/6/1989	Stolowitz et al.	556	9	4/30/86	A8 ✓
EGT	5137627	8/11/1992	Feibush	210	198.2	8/11/92	A8 ✓
EGT	5240602	8/31/1993	Hammen	210	198.2	4/2/91	A8 ✓
EGT	5362859	11/8/1994	Zale	530	413	7/27/92	A8 ✓
EGT	5371262	12/6/1994	Arkles	556	449	3/10/93	A8 ✓
EGT	5527711	6/18/1996	Tom-Moy et al.	436	518	12/13/93	A8 ✓
EGT	5652348	7/29/1997	Burton et al.	536	20	9/23/94	A8 ✓
EGT	5663051	9/2/1997	Vlasselaer	435	7.23	12/11/95	A8 ✓
EGT	5821193	10/13/1998	Tani et al.	502	401	4/6/95	A8 ✓
EGT	5945520	8/31/1999	Burton et al.	536	20	7/22/97	A8 ✓
EGT	5948428	9/7/1999	Lee et al.	424	426	12/6/96	A8 ✓
EGT	5993653	11/30/1999	Ahmed et al.	210	198.2	8/11/97	A8 ✓

EXAMINER

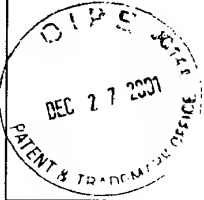
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. <b>W9495-01</b>		Page <u>2</u> of <u>4</u> SERIAL NO <b>09/929,621</b>			
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U.S. PATENT DOCUMENTS <span style="float: right;">DEC 27 2001</span>							
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	SOURCE CODE - Copy Submitted
<b>EGT</b>	6013855	1/11/2000	McPherson et al.	623	11	12/26/96	A8 ✓
<b>EGT</b>	6025129	2/15/2000	Nova et al.	435	6	12/5/95	A8 ✓
<b>EGT</b>	6045697	4/4/2000	Giroi et al.	210	635	11/30/98	A8 ✓
<b>EGT</b>	6251278	1/26/2001	Hammen	210	635	3/3/99	A8 ✓

EXAMINER <b>THEKORN</b>	DATE CONSIDERED <b>MARCH 13, 2003</b>
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Page 3 of 4

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS SUBMITTED?	SOURCE CODE 7 Copy Submitted	ENG LANG EQUIV
EGT	303406	2/15/1989	Europe	G01N	33/547	No	A8 ✓	
EGT	WO 98/31461	7/23/1998	PCT	B01J	20/28	No	A8 ✓	

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. <b>W9495-01</b>		Page <u>4</u> of <u>410</u>	
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		FILING DATE <b>8/14/2001</b>		GROUP	
EXAMINER INITIAL*	OTHER DOCUMENTS ( Including author , Title, Date, Pertinent Pages, Etc )			TRANS SUBMITTED ?	SOURCE CODE /Copy Submitted
<b>EGT</b>	ASTM D 5291-96; Standard Test Methods for Instrumental Determination of Carbon, Hydrogen, and Nitrogen in Petroleum Products and Lubricants <b>UNDATED</b> <b>pages 852-856</b>			No	A8 ✓
<b>EGT</b>	ASTM D 5373 - 93 (Reapproved 1997) - Standard Test Methods for Instrumental Determination of Carbon, Hydrogen, and Nitrogen in Laboratory Samples of Coal and Coke <b>UNDATED pages 1-4</b>			No	A8 ✓
<b>EGT</b>	Affinity Separations, A Practical Approach, Ed. Paul Matejtschuk; pp 1-38 <b>UNDATED</b>			No	A8 ✓
<b>EGT</b>	Greg T. Hermanson, A. Krishna Mallia, and Paul K. Smith, Immobilized Affinity Ligand Techniques, Academic Press <b>undated page viii</b>			No	A8 ✓

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	Copy Submitted
<b>EG</b>	2002/0032269 A1	3/14/2002	Schober et al.	524	492	5/8/01	✓

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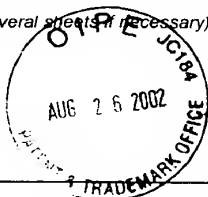
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Page 2 of 2  
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	Copy Submitted
EGT	3669841	6/13/1972	Miller	195	63	2/11/70	✓
EGT	3715278	2/6/1973	Miller	195	63	2/11/70	✓
EGT	3873426	3/25/1975	Katchalski et al.	195	63	7/2/73	✓
EGT	3954678	5/4/1976	Marquisee	252	451	7/11/74	✓
EGT	3983000	9/28/1976	Messing et al.	195	63	4/1/76	✓
EGT	4034139	7/5/1977	Mazarguil et al.	428	405	4/16/75	✓
EGT	4206259	6/3/1980	Rohrbach et al.	428	304	10/16/78	✓
EGT	4258133	3/24/1981	Mirabel et al.	435	176	2/15/79	✓
EGT	4268423	5/19/1981	Rohrbach et al.	252	430	11/16/79	✓
EGT	4384045	5/17/1983	Ho et al.	435	176	8/20/80	✓
EGT	4415663	11/15/1983	Symon et al.	435	176	8/25/82	✓
EGT	4425434	1/10/1984	Rosevear	435	176	8/11/81	✓
EGT	4520122	5/28/1985	Arena	502	152	12/5/83	✓
EGT	4918016	4/17/1990	Leuba et al.	435	176	10/25/82	✓
EGT	4925818	5/15/1990	Schneider et al.	502	7	10/4/88	✓
EGT	4994429	2/19/1991	Wieserman et al.	502	401	10/31/88	✓
EGT	5002884	3/26/1991	Kobayashi et al.	435	176	1/17/89	✓
EGT	5077210	12/31/1991	Eigler et al.	435	176	1/13/89	✓
EGT	5405766	4/11/1995	Kallury et al.	435	174	3/25/93	✓
EGT	5998183	12/7/1999	Le Fevre et al.	435	176	7/7/97	✓


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EXAMINER INITIAL*	OTHER DOCUMENTS ( Including author , Title, Date, Pertinent Pages, Etc.)			TRANS SUBMITTED ?	Copy Submitted
<b>EGT</b>	Legrand, Andre P, "The Surface Properties of Silica," John Wiley & Sons, 1998, Chap. 3 & 4, Pages 147 - 412			No	✓

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EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	Copy Submitted
EGT	4544485	10/1/1985	Pinkerton et al.	210	502	08/31/1984	<input checked="" type="checkbox"/>
EGT	4681870	7/21/1987	Balint, Jr. et al.	502	403	01/11/1985	<input checked="" type="checkbox"/>
EGT	4742159	5/3/1988	Batz et al.	530	388	12/19/1983	<input checked="" type="checkbox"/>
EGT	4778600	10/18/1988	Williams	210	198.2	06/17/1987	<input checked="" type="checkbox"/>
EGT	5075423	12/24/1991	Balint, Jr.	530	350	01/24/1990	<input checked="" type="checkbox"/>
EGT	5085779	2/4/1992	Crane et al.	210	635	05/17/1991	<input checked="" type="checkbox"/>
EGT	5118796	6/2/1992	Prior et al.	530	388.1	12/09/1987	<input checked="" type="checkbox"/>
EGT	5277813	1/11/1994	Feibush et al.	210	502:1	12/10/1992	<input checked="" type="checkbox"/>
EGT	5374755	12/20/1994	Neue et al.	556	400	07/17/1992	<input checked="" type="checkbox"/>
EGT	5403750	4/4/1995	Braatz et al.	436	531	04/08/1991	<input checked="" type="checkbox"/>
EGT	5431807	7/11/1995	Frechet et al.	210	198.2	03/14/1994	<input checked="" type="checkbox"/>
EGT	5744302	4/28/1998	Sessler et al.	435	6	05/11/1995	<input checked="" type="checkbox"/>

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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS SUBMITTED?	Copy Submitted	ENG LANG EQUIV
<u>EZG</u>	0 425 104	2/5/1991	EP	BO1J	20/32	No	<input checked="" type="checkbox"/>	
<u>EG</u>	WO 87/06586	11/5/1987	WO	CO7F	10	No	<input checked="" type="checkbox"/>	

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<b>EGT</b>	Article - J.Am. Chem. Soc 2000, 122, 8303-8304 - Surveying for Surfaces that Resist the Adsorption of Proteins - Chapman Robert C. et al. <b>2000</b>			No	<input checked="" type="checkbox"/>

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